In the Claims:

1. (currently amended) A multi-chip module (MCM) package, comprising:

a substrate having an opening therein;

a plurality of first bumps;

a first chip that has an active surface bonded to and electrically connected with the

substrate through the first bumps, the active surface of the first chip facing the opening of the

substrate;

a plurality of second bumps;

at least one second chip disposed in the opening of the substrate and bonded to the active

surface of the first chip through the second bumps, the second chip being electrically connected

to the first chip through the second bumps; and

at least one heat spreader-without signal transmission-functions disposed in the opening

of the substrate and bonded to the active surface of the first chip, the heat spreader comprising a

dummy chip.

2. (original) The MCM package of claim 1, further comprising a filling material in the

opening of the substrate, between the first chip and the second chip and between the first chip

and the substrate, the filling material encapsulating the first bumps and the second bumps.

Claim 3: canceled.

- 4. (previously presented) The MCM package of claim 1, wherein the surface of the heat spreader is plated with gold.
- 5. (original) The MCM package of claim 1, further comprising a plurality of third bumps for bonding the heat spreader to the active surface of the first chip.
- 6. (original) The MCM package of claim 1, further comprising a thermally conductive adhesive for bonding the heat spreader to the active surface of the first chip.
- 7. (previously presented) The MCM package of claim 1, wherein the first chip further comprises a ground contact and the second bumps comprises a ground bump.
- 8. (original) The MCM package of claim 7, wherein the heat spreader is electrically connected to the ground contact through the ground bump.
 - 9. (withdrawn) A multi-chip module (MCM) package, comprising:
- a substrate having a cavity therein and a plurality of thermo-vias passing through the substrate, wherein each of the thermo-vias has one end exposed in the cavity;
 - a plurality of first bumps;
- a first chip that has an active surface bonded to and electrically connected with the substrate through the first bumps, the active surface of the first chip facing to the cavity of the substrate;
 - a plurality of second bumps;

at least one second chip disposed in the cavity of the substrate and thermally connected with the thermo-vias of the substrate, and electrically bonded to the active surface of the first chip through the second bumps; and

at least one heat spreader disposed in the cavity of the substrate and thermally connected, with the thermo-vias of the substrate and the active surface of the first chip.

- 10. (withdrawn) The MCM package of claim 9, further comprising a filling material in the cavity of the substrate, between the first chip and the second chip, and between the first chip and the substrate, the filling material encapsulating the first bumps and the second bumps.
- 11. (withdrawn) The MCM package of claim 9, wherein the heat spreader comprises silicon.
- 12. (withdrawn) The MCM package of claim 9, wherein the heat spreader is plated with gold.
- 13. (withdrawn) The MCM package of claim 9, further comprising a plurality of third bumps for bonding the heat spreader to the active surface of the first chip.
- 14. (withdrawn) The MCM package of claim 9, further comprising a thermally conductive adhesive for bonding the heat spreader to the active surface of the first chip.
- 15. (withdrawn) The MCM package of claim 9, wherein the second chip further comprises a ground contact and the second bumps comprises a ground bump.
- 16. (withdrawn) The MCM package of claim 15, wherein the heat spreader is electrically connected to the ground contact through the ground bump.

- 17. (withdrawn) The MCM package of claim 15, wherein the substrate further comprises a ground-vias and the heat spreader is electrically connected to the ground-vias.
- 18. (currently amended) A multi-chip structure having a chip loaded with at least one other chip and at least one heat spreader, comprising:
 - a first chip having an active surface;
 - at least one second chip disposed on the active surface of the first chip; and
- at least one heat spreader-without signal transmission-functions disposed on the active surface of the first chip, the heat spreader comprising a dummy chip.
- 19. (original) The multi-chip structure of claim 18, further comprising a plurality of bumps for bonding the second chip to the active surface of the first chip.
- 20. (original) The multi-chip structure of claim 19, further comprising a filling material between the first chip and the second chip encapsulating the bumps.
- 21. (original) The multi-chip structure of claim 18, further comprising a plurality of bumps for bonding the heat spreader to the active surface of the first chip.
- 22. (original) The multi-chip structure of claim 21, further comprising a filling material between the first chip and the heat spreader encapsulating the bumps.
- 23. (original) The multi-chip structure of claim 18, further comprising a thermally conductive adhesive for bonding the heat spreader to the active surface of the first chip.

Claim 24: canceled.

25. (previously presented) The multi-chip structure of claim 18, wherein the surface of the heat spreader is plated with gold.

26. (currently amended) A multi-chip module (MCM) package, comprising:

a substrate having a hole therein;

a plurality of first bumps;

a first chip that has an active surface bonded to and electrically connected with the substrate through the first bumps, the active surface of the first chip facing the hole of the substrate;

a plurality of second bumps;

at least one second chip disposed in the hole of the substrate and bonded to the active surface of the first chip through the second bumps, the second chip being electrically connected to the first chip through the second bumps; and

at least one heat spreader-without signal transmission functions disposed in the hole of the substrate and bonded to the active surface of the first chip, the heat spreader comprising a dummy chip.